

Work Order ID 162765

162765

Page 1

Monday, June 12, 2017 11:49:29 AM

Item ID: D3996-FE-832-EF Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Self-Clinching Fastener

Start Date: 6/12/2017 Start Qty: 100.00 ***100*** Cust Item ID:
 Required Date: 6/19/2017 Req'd Qty: 100.00 ***100*** Customer:

Reference: DAS

Approvals: Process Plan: 21 Date: JUN 12 2017 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3996	A								

100 0.00 ***100*** 100 JUN 12 2017 **DAS 13 9-89**

Purchasing

Memo
 Issue P/O: 36672
 Purchase Part Number: FE-832-EF
 Supplier: Interfast Inc. KLX.
 Certificate of conformity is required

110 Receive & Inspect for Damage & Mat'l Certs 0.00

110

Packaging

Memo 2.00

Packaging

100X SP17-616

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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Item ID: D3996-FE-832-EF Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Self-Clinching Fastener
Start Date: 6/12/2017 Start Qty: 100.00 ***100*** Cust Item ID:
Required Date: 6/19/2017 Req'd Qty: 100.00 ***100*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- All purchased or subcontracted products	0.00							
120									
QC	Memo	0.00							
Quality Control									
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	1.00							
Packaging	LOCATION : GA								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	10.00							
Quality Control									

DAS
338
JUN 19 2017

100 DAS
6
9-89 JUN 20 2017

17/6/2198

DAS
21
9-89 JUN 20 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
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Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER :						
Misidentified ☐	☐	Past Due ☐							

Picklist Print

Monday, June 12, 2017 11:49:33 AM

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Work Order ID: 162765

162765

Parent Item: D3996-FE-832-EF

D3996-FE-832-EF

Parent Item Name: Self-Clinching Fastener

Start Date: 6/12/2017

Required Date: 6/19/2017

Start Qty: 100.00

Required Qty: 100.00

Comments: IPP RevA: new issue 09.11.11 DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

FE-832-EF

Purchased

No

110

Each

35.0000

1

100

FF-832-EF

**

PEM Insert

100X SP17-6-16.

Location

Loc Qty

Loc Code

GA

35

m136866

1

m137075

10

m137508

24

DQA: _____ Date: _____



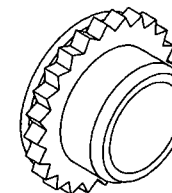
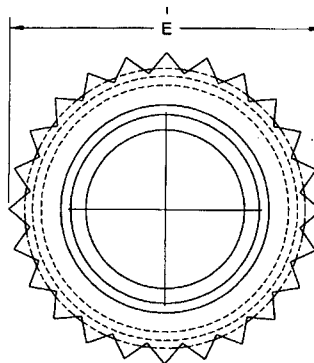
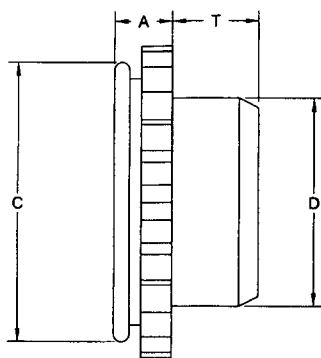
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

SPECIFICATION CONTROL DRAWING



D3996-XXX-YYY-ZZZ SELF-CLINCHING FASTENER

THREAD SIZE	THREAD CODE ("YYY")	TYPE ("XXX")	A MAX (SHANK)	SHEET THICKNESS	C +0.000 -0.005	D MAX	E ±0.005	T +0.015 -0.000	HOLE SIZE IN SHEET +0.003/-0.000	MIN DIST: HOLE CL TO EDGE	WEIGHT lb
#4-40 (0.112)	440	FEO	0.040	0.039-0.045	0.171	0.145	0.192	0.065	0.172	0.14	0.00031
		FE	0.060	0.059-0.070							0.00037
#6-32 (0.138)	632	FEO	0.040	0.039-0.045	0.212	0.180	0.244	0.075	0.213	0.17	0.00047
		FE	0.060	0.059-0.070							0.00068
#8-32 (0.164)	832	FEO	0.040	0.039-0.045	0.289	0.215	0.322	0.090	0.290	0.20	0.00098
		FE	0.060	0.059-0.070							0.00124
#10-32 (0.190)	032	FEO	0.040	0.039-0.045	0.289	0.245	0.322	0.110	0.290	0.20	0.00104
		FE	0.060	0.059-0.070							0.00120
1/4-28	0428	FE	0.060	0.059-0.070	0.343	0.318	0.384	0.120	0.344	0.28	0.00158

NOTES

1) SPECIFICATION: PENNENGINEERING (PEM) MINIATURE SELF-CLINCHING FASTENER, SELF-LOCKING
PEM P/N XXX-YYY-ZZZ

WHERE "XXX" = TYPE "FEO" (SHORT SHANK) OR "FE" (LONG SHANK) PER TABLE

"YYY" = THREAD CODE PER TABLE

"ZZZ" = FINISH CODE PER NOTE 2 BELOW

FOR EXAMPLE, #8-32 THREAD, LONG SHANK, ELECTRO-FILM FINISH:

DART P/N = D3996-FE-832-EF

PEM P/N = FE-832-EF

2) FINISH: FINISH CODE ("ZZZ") PER THE FOLLOWING:

"C" = CADMIUM YELLOW CHROMATE PER ASTM B766 CLASS 5 TYPE II

"CI" = CADMIUM CLEAR CHROMATE PER ASTM B766 CLASS 5, TYPE III

"EF" = ELECTRO-FILM PER MIL-PRF-46010

"MD" = MOLYBDENUM DISULFIDE DRY FILM (STD PEM FINISH)

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: N/A

7) WEIGHT: N/A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 162765 HUS
1706-12

RELEASED
2009-11-08

A	NEW ISSUE	CP	09.10.01
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.10.01		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3996 REV. A
SHEET 1 OF 1

TITLE SELF-CLINCHING FASTENER SCALE NTS

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36672

Purchase Order Date 6/12/2017

PO Print Date 6/12/2017

Page Number 1 of 13

Order From :

KLX INC.
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

VU-KLX01

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

JUN 12 2017

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx Economy collect

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

M/B7820

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	AN3C3A	Bolt	6/16/2017 Yes 6/16/2017		120.00 Each	\$0.20	\$23.59
Line Total:							\$23.59
2	AN924-6J	NUT	6/16/2017 Yes 6/16/2017		25.00 Each	\$1.99	\$49.75
Line Total:							\$49.75
	FE-832-EF	PEM Insert	6/16/2017 Yes 6/16/2017		100.00 Each	\$0.66	\$66.00

AS PER DWG D3996 REV. A
B162765

DAS
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9-89

Note:

6/12/2017



Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXAerospace.com
Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

INVOICE NUMBER

JAVBX3

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SEND TO ACCOUNTING

002409

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7



SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO.		DATE	SHIP VIA	TERMS		SHIPPING TERMS	
PO36672		06/13/17	FEDX INTL ECON COLL	NET 30		FOB-MIAMI	
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION	PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
120	120	AN3C3A TARIFF: 7318.15.2095 SCHEDULE B: 7318.15.2000 Description BOLT ECCN :EAR99 MFR: CALIFORNIA SCREW CTRL#: 2016K14283 LOT#: 331005 Country of Origin USA	0.1966	EA	0	120	23.59
3	100	**CUST PN: AN3C3A FE-832-EF TARIFF: 7318.16.0085 SCHEDULE B: 7318.16.0000 Description NUT ECCN :EAR99 MFR: PENN ENG & MFG. CTRL#: 2016H28831 LOT#: 577657/600012 Country of Origin USA **REF: FE-832-EF **CUST PN: FE-832-EF	0.660	EA	0	100	66.00
50	212-12	TARIFF: 7415.39.0000 SCHEDULE B: 7415.39.0000 Description RECEPTACLE ECCN :EAR99 MFR: ALCOA/ARCONIC	1.950	EA	0	50	97.50

ALL ITEMS TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10010 DART AEROSPACE, MIAMI, FL 33172

MATERIAL CERTIFICATION: KLX INC. ("KLX AEROSPACE SOLUTIONS") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND THE SPECIFICATIONS OF THE RESPECTIVE MANUFACTURERS. KLX AEROSPACE SOLUTIONS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF KLX AEROSPACE SOLUTIONS IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP SUCH REPLACEMENT SHALL OF ANY ITEM WHICH IS REJECTED CONSTITUTE SATISFACTION OF ALL LIABILITY KLX AEROSPACE SOLUTIONS MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL KLX AEROSPACE SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.

PACKING SLIP

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS PACKING SLIP, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXAerospace.com/conditions-sale/>



DAS
38 Form 22
9-89



Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXaerospace.com
Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

INVOICE NUMBER

JAVBX3

PAGE 1 OF 14

SEND TO ACCOUNTING

SOLD TO:
002409

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

DATE		SHIP VIA		TERMS		SHIPPING TERMS		
06/13/17		FEDX INTL ECON COLL		NET 30		FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
1	120	AN3C3A BOLT ECCN :EAR99 Country Origin: USA TARIFF: 7318.15.2095 SCHEDULE B: 7318.15.2000 MFR: CALIFORNIA SCREW CTRL# : 2016K14283 LOT# : 331005 LOT QTY: 120 **REF: AN3C3A **CUST PN: AN3C3A		0.1966	EA	0	120	23.59
3	100	FE-832-EF NUT ECCN :EAR99 Country Origin: USA TARIFF: 7318.16.0085 SCHEDULE B: 7318.16.0000 MFR: PENN ENG & MFG. CTRL# : 2016H28831 LOT# : 577657/600012 LOT QTY: 100 **REF: FE-832-EF **CUST PN: FE-832-EF		0.660	EA	0	100	66.00
4	50	212-12 RECEPTACLE ECCN :EAR99 Country Origin: USA TARIFF: 7415.39.0000 SCHEDULE B: 7415.39.0000 MFR: ALCOA/ARCONIC		1.950	EA	0	50	97.50

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CONTINUED

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

ORIGINAL INVOICE

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS INVOICE, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT: **DAS**
<http://www.KLXaerospace.com/conditions-sale/>

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9-89

TOWER
FASTENERS
Tower Fasteners Co., Inc.
1690 North Ocean Ave
Holtsville, NY 11742
USA
www.towerfast.com

PACKING LIST

Invoice Number	
3540025	
Invoice Date	Page
8/24/2016 15:29:29	1 of 2
PO Number	Order Number
003EE31	1749635

Bill To:

KLX INC.
P.O. Box 025263
Miami, FL 331025263
USA
201-265-8770

Ship To:

KLX Aerospace Solutions (formaly B/E Aero)
KLX Aerospace Solutions (formaly B/E Aero)
9835 NW 14th Street
Miami, FL 33172
US
Ordered By: Ms. Cristina Sanchez

Attn: Original Invoices

Customer ID: 20698

PO Number	Order Date	Pick Ticket No	Primary Salesrep Name	Taker	
003EE31	6/8/2016 07:17:59	2531521	Sales. Distributor	SHAWD	
Carrier	Carrier Tracking Number	Terms Description	Net Due Date	Disc Due Date	Discount Amount
FedEx Ground	9612422011769270097702	NET 45 DAYS	10/8/2016	10/8/2016	
Quantities				Item ID	UOM
Ordered	Shipped	Remaining	Disp.	Item Description	Unit Size

Customer Note: KEYSTONE items need MFG CERT. Keystone lot numbers appear on their bags and must ship in Keystone bags. (Keystone does not reference lot number on their C of C packing list)

Delivery Instructions: FEDX # 0331-0149-0

Carrier: FedEx Ground

Tracking #: 9612422011769270097702

5,000	5,000	0	(001) /FE-832EF	EA	
			PEM SELF CLINCHING MINIATURE FASTENERS		1.0
			PEM SELF CLINCHING MINIATURE FASTENERS		

Order Line Notes: MFG CERT REQUIRED
MATERIAL CERT REQUIRED

Lot Number: 600012 **Qty:** 1,462 EA

Country Of Origin: US
DFARS(if applicable): YES
Manufacturer Lot #: 577657
Manufacturer Name: PENN ENG.
RoHS Compliant: YES

Lot Number: 601030 **Qty:** 3,538 EA

Country Of Origin: US
DFARS(if applicable): NO
Manufacturer Lot #: 727557
Manufacturer Name: PENN ENG
RoHS Compliant: YES

DA6
38
9-89



Tower Fasteners Co., Inc.

1690 North Ocean Ave

Holtsville, NY 11742

USA

www.towerfast.com

PACKING LIST

Invoice Number	
3540025	
Invoice Date	Page
8/24/2016 15:29:29	2 of 2
PO Number	Order Number
003EE31	1749635

Quantities				Item ID	UOM
Ordered	Shipped	Remaining	Disp.	Item Description	Unit Size

Contract Bin:

Total Pieces: 5000 Total Lines: 1 Total Weight: 5.6525

Items listed herein identified as RoHS are in compliance with the European Directive 2002/95/EC Restriction of Hazardous Substances

CERTIFICATE OF COMPLIANCE

DISCREPANT MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION

ALL ITEMS MUST BE RETURNED IN THEIR ORIGINAL PACKAGING

Tower Fasteners hereby certifies that the items furnished on this order were produced in accordance with the specified requirements or military specifications. Tower Fasteners accepts no responsibility for the manufacturing or functional defects and limits express or implied warranties to the cost of replacing product supplied.


Quality Control Manager

Terms And Conditions

Shipments

Unless previously noted or agreed to otherwise, Tower Fasteners reserves the option to maintain a +/- 10% shipping policy on all orders.

All payments are Net 30 days unless specifically noted on orders.

All returns of product must be accompanied by a Tower Fasteners RMA# and are subject to inspection/confirmation before adjustments/credits are issued.

All items noted as Non Cancellable, Non Returnable (NCNR) cannot be cancelled or returned.

Receipt of this document confirms acceptance of the above terms and conditions.

PEM PennEngineering®


Danboro, PA 18916 USA • 215-766-8853
 Winston-Salem, NC 27101 USA • 336-777-1346
 www.pemnet.com

PACKING LIST

SHIPPED TO:

TOWER FASTENERS CO. INC.
1690 NORTH OCEAN AVENUE
acctspayable@towerfast.com
HOLTSVILLE NY 11742-1823
USA



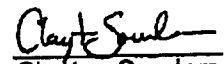
CUSTOMER	OUR ORDER NO.	PICK SLIP NO.	YOUR ORDER NO.	DATE PRINTED
48141	1807280	2451666	4577609-101	8/12/2016

Container I.D.	Line No.	Item Number	Customer Reference Number	Lot ID	Quantity Shipped
0004	1.000	FE-832-EF	N/A	577657	1,462
			600012		
RECEIVED AUG 17 2016 Tower Fasteners					
Total for this shipment :			1,462	DAS 38 9-89	

**Penn Engineering & Manufacturing Corp.
Danboro, Pennsylvania, U.S.A.**

Certificate of Compliance

Subject to the provisions in our standard Terms and Conditions of Sale, we hereby confirm that with respect to the products supplied in this order, that (i) in the case of products ordered from our catalog, the products substantially conform to the description set out in our current catalog at the time we accepted your order, and (ii) in the case of products based on your drawings or specifications, the products substantially conform to your drawings and specifications, if and to the extent that we previously agreed in writing to each applicable drawing and/or specification.


Clayton Souders

Quality - Manufacturing Manager